TODO: Complete this page (TBS)

Overview

The Resources module includes clas

1. In NDDL, extend existing resource classes to get desired behavior.
2. In NDDL, specify what type of profile is used to represent maximum/minimum values over time.
3. In NDDL, specify what type of
4. In configuration file (TODO: link) specify how

At the most general level, the built-in resources allow users

Important Notes

- To have resource flaws and violations reported, you must XYZ?
-

Options

Combinations to Use and Avoid

Implementation Matrices

There are many possible pieces of data that can be computed by profiles and monitored by flaw/violation detectors. Here we show which ones are computed and monitored by the various profiles and detectors:

	TimetableProfile	GroundedProfile	FlowProfile	IncrementalFlowProfile
LowerLevelMin	Y	Y		
LowerLevelMax	Y	*(1)		
UpperLevelMin	Y	*(1)		
UpperLevelMax	Y	Y		
InstConsumptionMin				
InstConsumptionMax				
InstProductionMin				
InstProductionMax				
CumConsumptionMin				
CumConsumptionMax				
CumProductionMin				
CumProductionMax				

Possible New Features

We hope to incorporate the following improvements (and bug fixes) into a future version of the Resources module:

- Non-constant upper/lower limits. For example, consider a pool of available cars that might get smaller (cars break) or larger (new cars bought) over time. The only way to represent this currently is with 'dummy' production/consumption events.
- The GroundedProfile? does not treat instantaneous/cumulative production/consumption as 'grounded' but should.
- FlowProfile?

If you have a need for one of these listed features, please contact the EUROPA development team and we will attempt to fast-track support for that features.c